

Standard



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Summary

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BKT series

Number of contacts Low Voltage	12
Number of contacts High Voltage	1
Wire Size/AWG	30 - 22
Gender	Standard
Socket / Receptacle	Socket / Receptacle - Fixed Panel Rear Mounted
Locking system	Push-pull
Jacket cable outside diameter [mm]	2.00 - 22.60 mm
Size	3K
Suggested matching part	FGG.3K.712.CJAC10
Series	K - Outdoor keyed

https://www.lemo.com/int_en/solutions/originals/k-outdoor-keyed/eeg-3k-712-cjl.html

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Technical details

Electrical Configuration

Number of contacts Low Voltage	12
Contact Termination Low voltage	Solder
Number of contacts High Voltage	1
Contact Termination High voltage	Solder
Insert configuration value	3K.712 - 1 High V. 12 Low V.
Insulator	J: PEEK/PEEK
Rated current	3 A
Rated current HV (A)	4
Rated current LV (A)	5
Test voltage HV Ue (kV dc)	12
Test voltage HV Ue (kV rms)	8.5
Test voltage LV cont-cont sold.(kV rms)	1.2
Test voltage LV cont-shell sold.(kV rms)	0.85
Contact Dia.	0.9
Wire Size/AWG	30 - 22
Gender	Standard

Form & Material

Shell style / Model id	EE - Fixed receptacle, nut fixing (back panel mounting)
Socket / Receptacle	Fixed Panel Rear Mounted
Housing material	Brass (chrome plated [SAE AMS 2460]) shell, collet nut and latch sleeve, nickel plated [SAE AMS QQ N 290] brass mid pieces
Locking system	Push-pull
Keying	G: 1 key (alpha=0, plug: male contacts, receptacle: female contacts)
Colour	Grey
Weight	60.67 g

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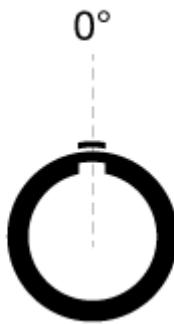
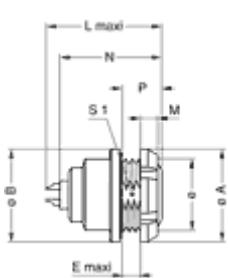
Environment

Technical domain	Audio Video, Energy and Industrial, Medical, Test and Measurement
Environmental sealing (IP rating)	IP68
Endurance	5000 mating cycles
Temperature range	-55°C / +200°C (max. temperature valid for short periods of use.)
Climatic Category	50/175/21
Humidity (max)	<=95% [at 60 deg C /140 F]
Shielding (min)	95 dB (10 MHz)
Shielding (min)	80 dB (1 GHz)
Shock Resistance	100 g [6 ms]
Vibration	15 g [10 Hz - 2000 Hz]
Salt Spray Corrosion	>1000 hr

Cable fixation

Jacket cable outside diameter [mm]	2.00 - 22.60 mm
Panel Drill Hole	M24

Drawings



Dimensions

	A	B	e	E	L	M	N	P	S1
mm.	30	31	M24x1.0	7.5	36.2	4.5	33.6	12	22.5
in.	1.18	1.22		0.3	1.43	0.18	1.32	0.47	0.89

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Recommended By Lemo

Accessories

Compatible cap	BRE.3K.200.NAS
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Tools

Spanner 2	DCM.65.270.AZ
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Spanner wrench	DCM.65.270.AZ
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